

FIG. 1

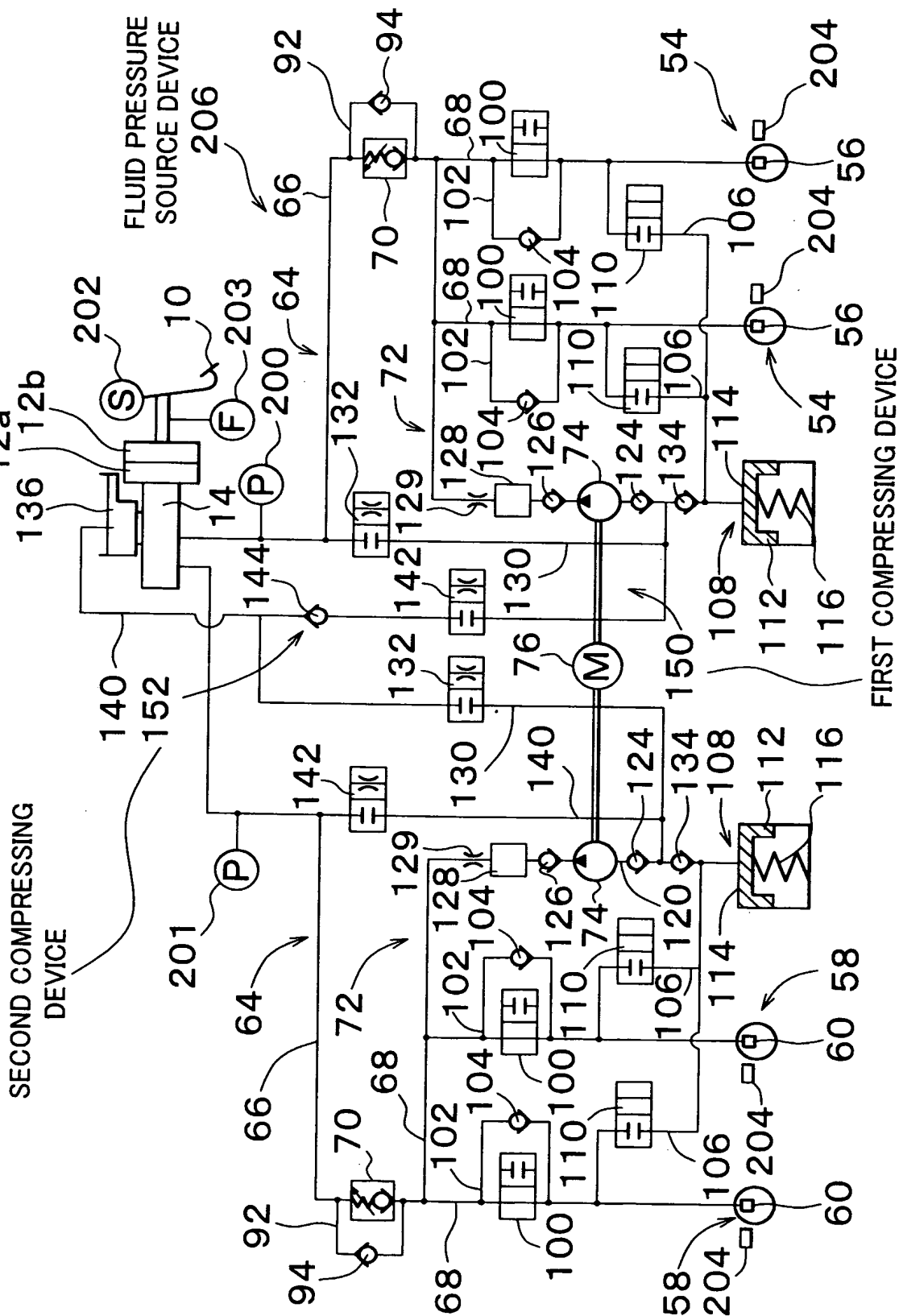
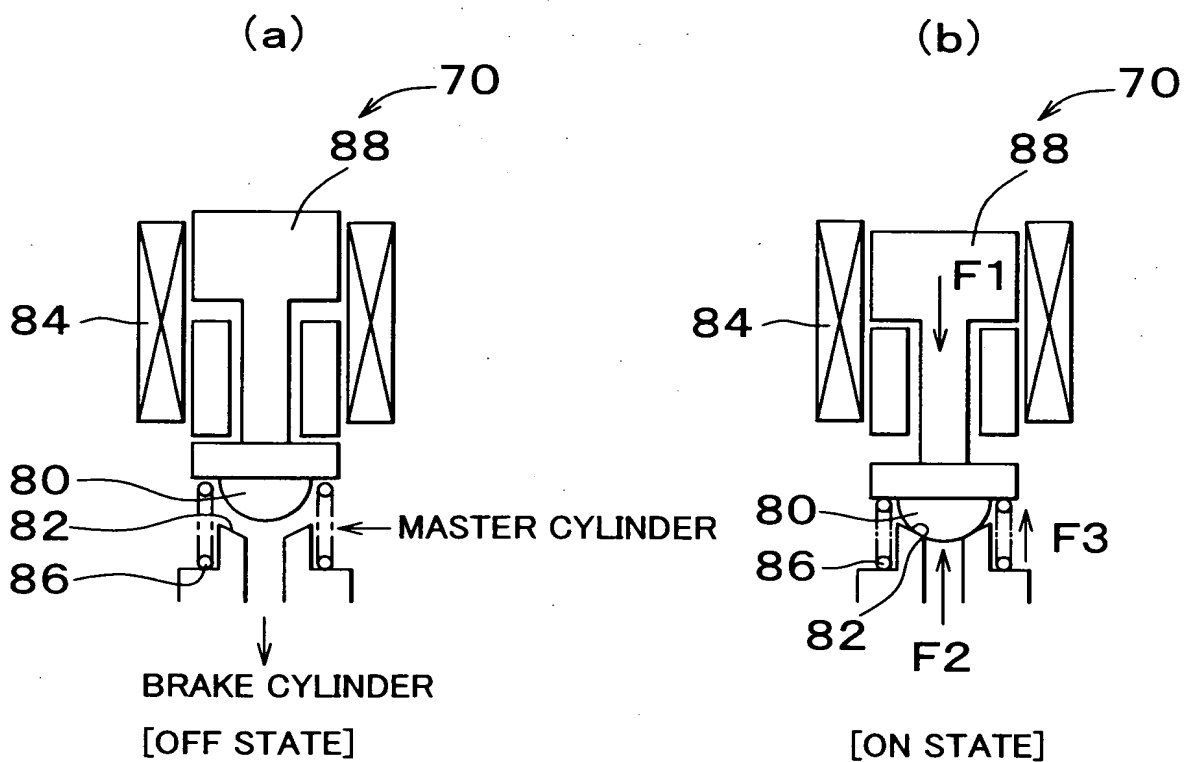


FIG. 2



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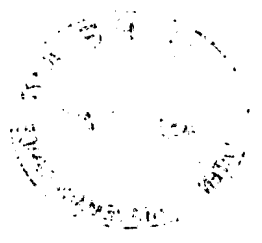
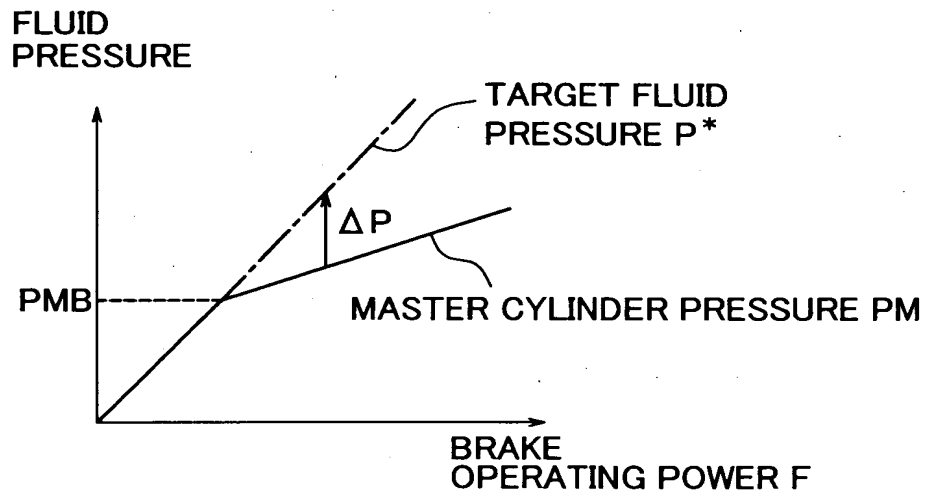
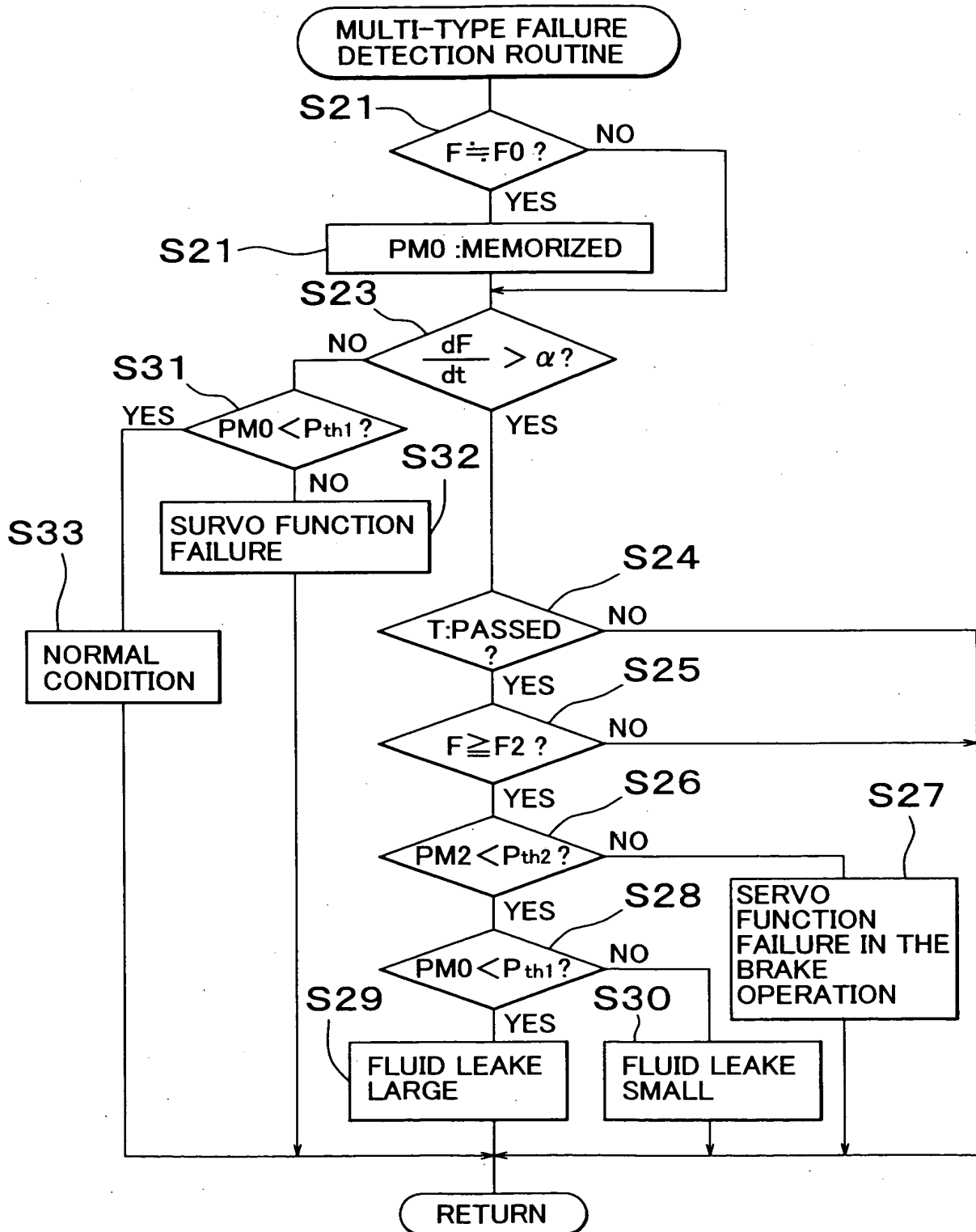


FIG. 4



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FIG. 5



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FIG. 6

| | FLUID LEAK | | BOOSTER FAILURE | NORMAL |
|---|------------|-------|-----------------|--------|
| | SMALL | LARGE | | |
| $F \doteq F_0 (F_0' \leq F < F_1)$ $PM_0 \geq P_{th1}$ | ○ | × | × | ○ |
| $F \doteq F_2 (F_2' < F)$ $PM_2 \geq P_{th2}$ | × | × | ○ | ○ |
| BOTTOMING CONDITION DETECTED | ○ | ○ | × | × |
| BOTTOMING CONDITION $\frac{dPM}{dt} < \beta (\beta < 0)$ | ○ | × | × | × |

○ : SATISFIED WITH THE LEFT CONDITION

× : NOT SATISFIED WITH THE LEFT CONDITION

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FIG. 7

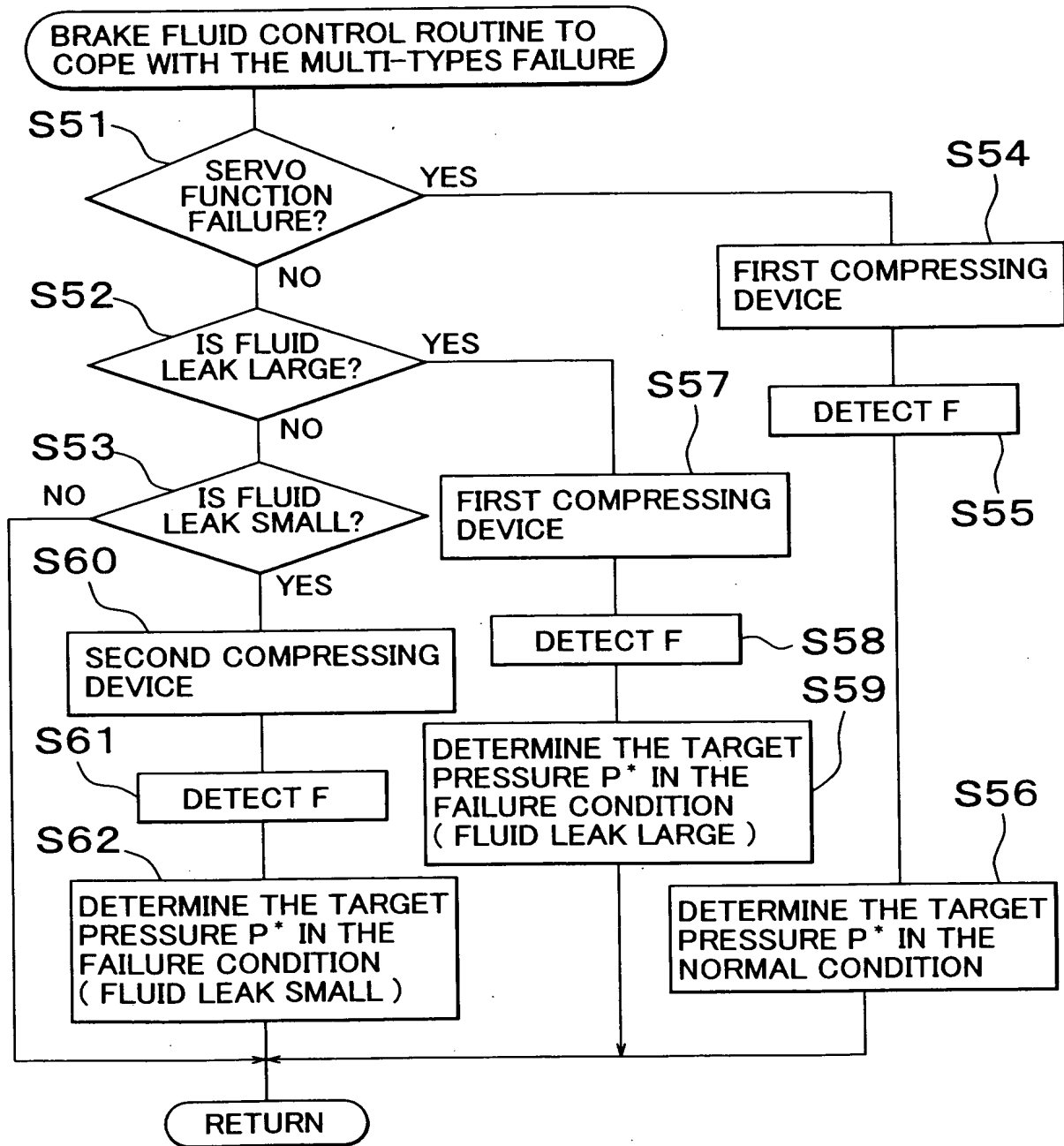
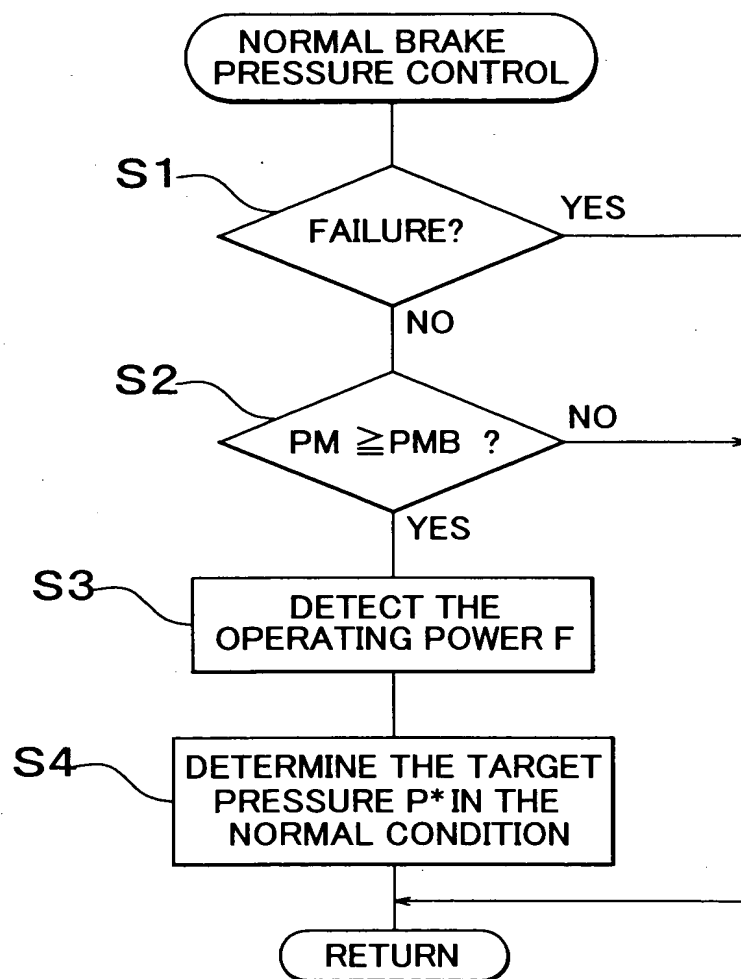


FIG. 8



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400289 457945

FIG. 9

MASTER CYLINDER PRESSURE

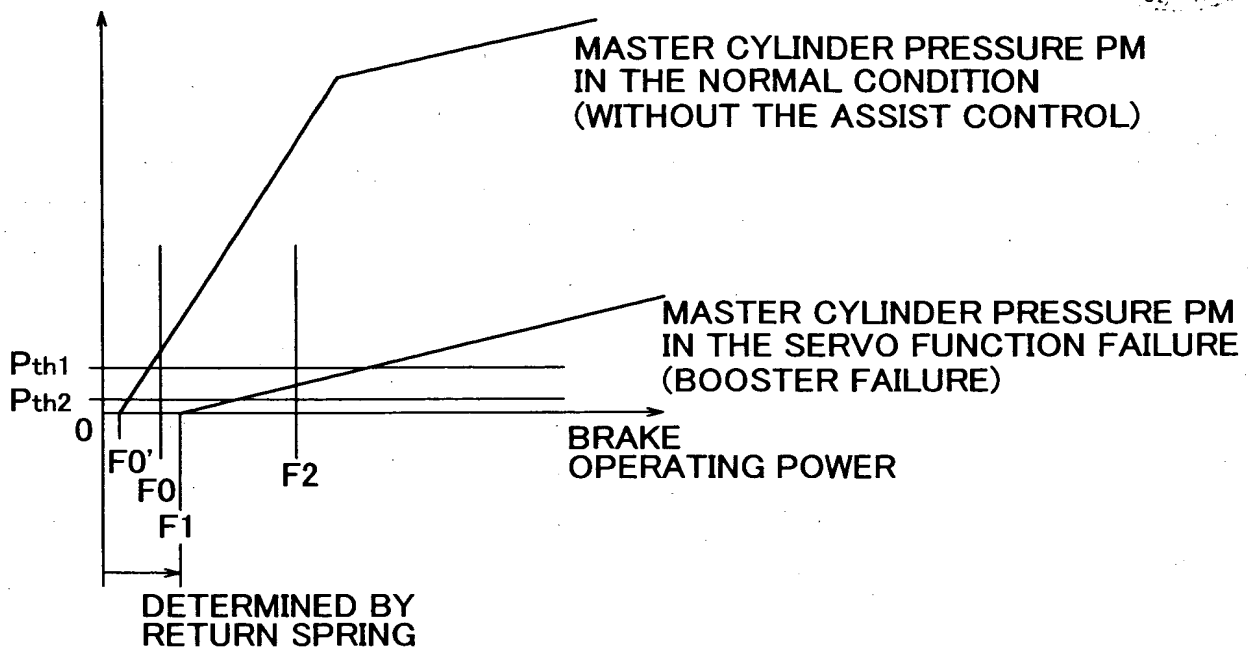


FIG. 10

POWER (FLUID PRESSURE)

FLUID LEAK LARGE

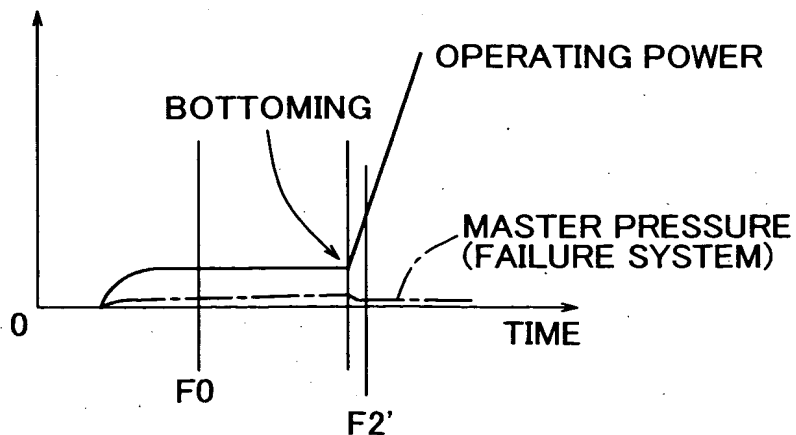


FIG. 11

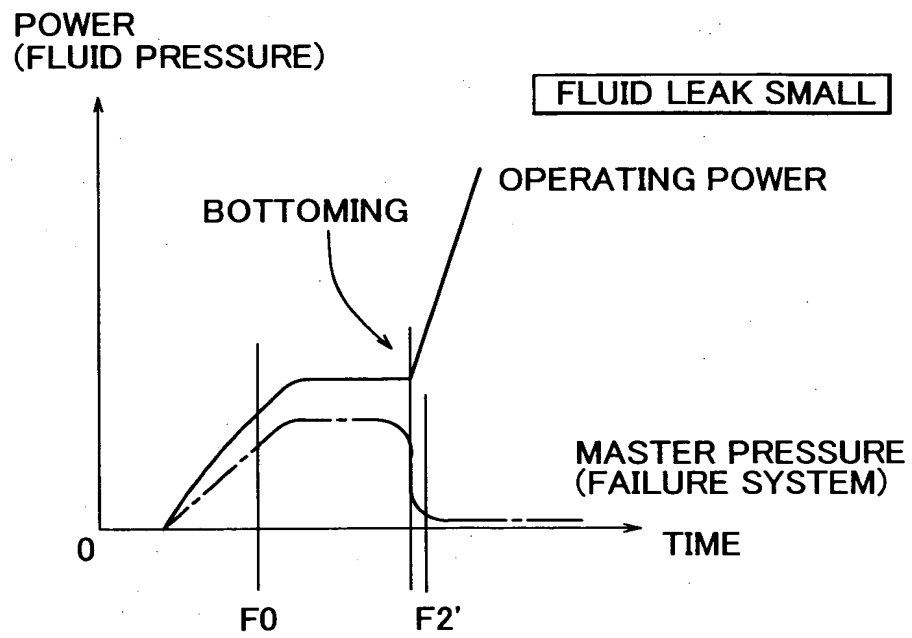
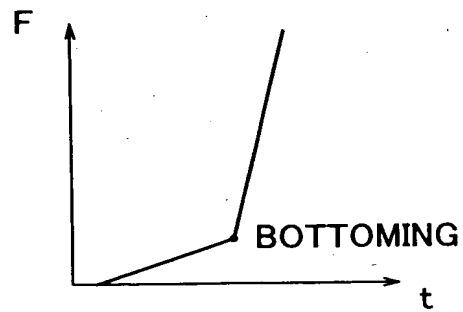
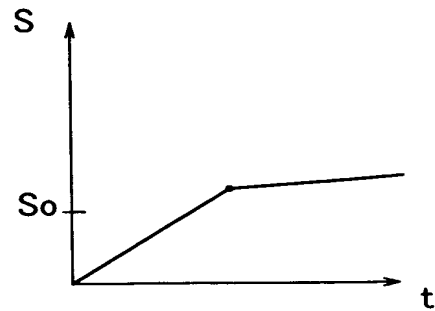


FIG. 12

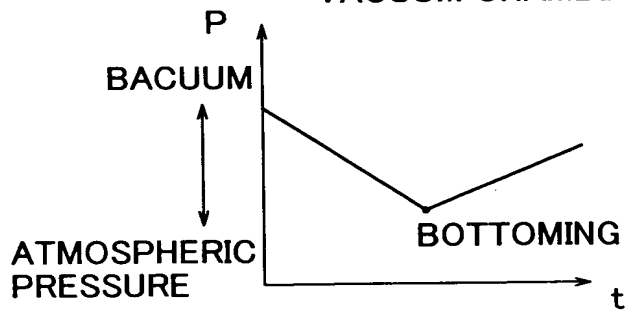
(a) OPERATING POWER



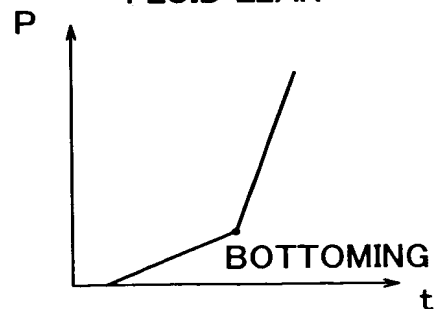
(b) STROKE



(c) PRESSURE OF VACUUM CHAMBER



(d) SYSTEM WITHOUT FLUID LEAK



(e) SYSTEM WITH FLUID LEAK

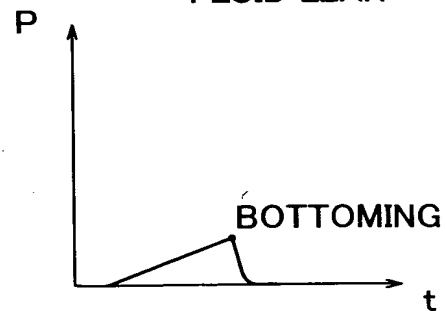
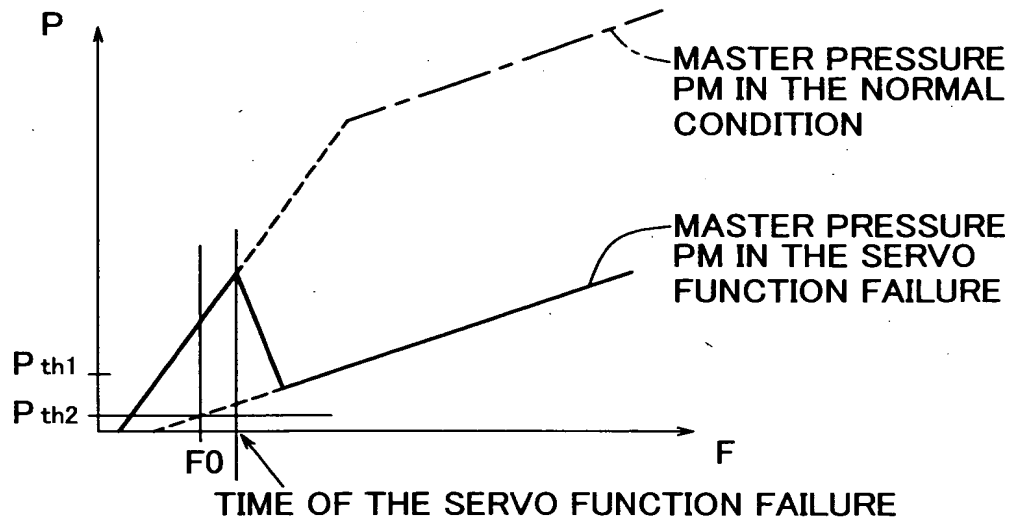
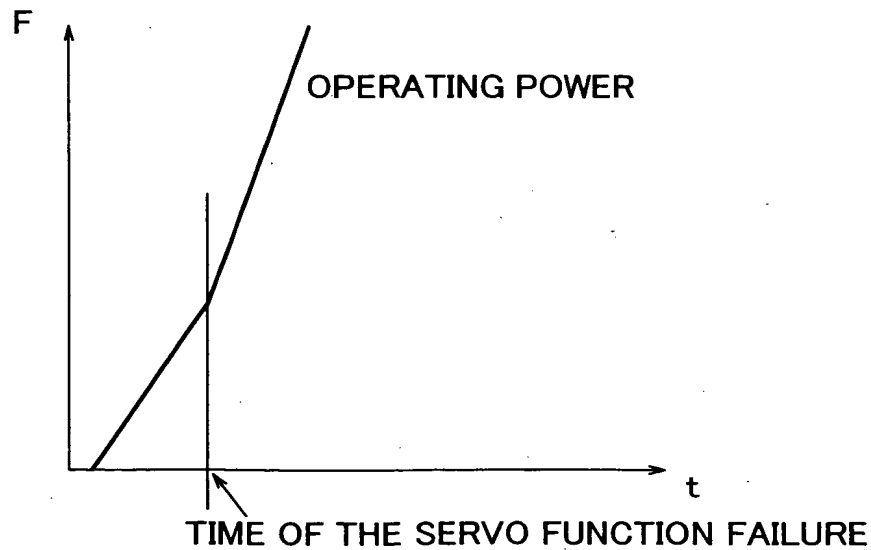


FIG. 13

SERVO FUNCTION FAILURE IN THE BRAKE OPERATION



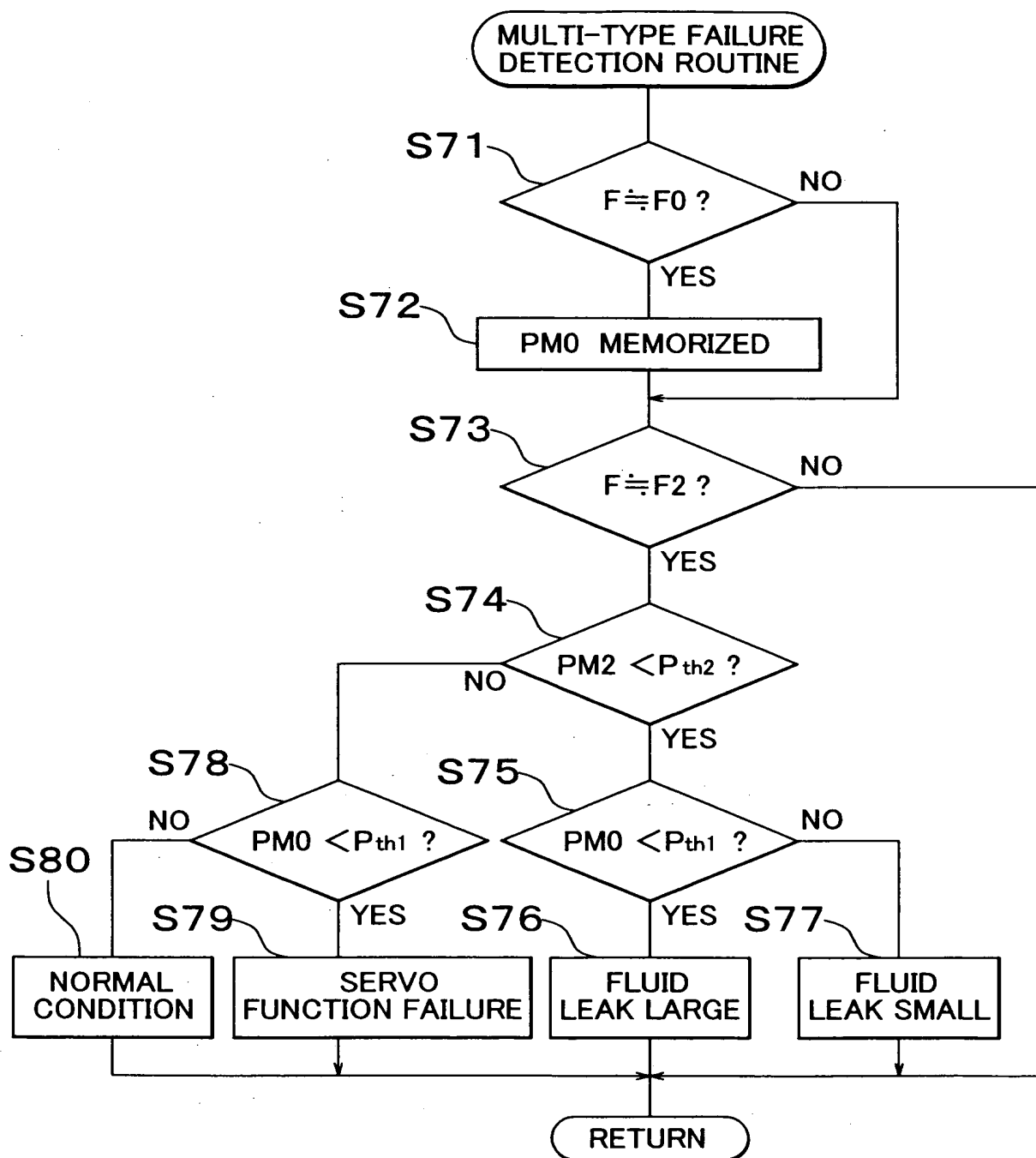
(a) CHANGE OF THE MASTER PRESSURE



(b) CHANGE OF THE OPERATING POWER

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FIG. 14



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PAGE 046282450